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FULL TECHNICAL SPECS



1528A Composite - Power Limited Tray Cable 300 Volts

Total # Cond.		# Pairs			
7		3			
AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
16	(7x24)	BC - Bare Copper	PVC - Polyvinyl Chloride	.01600	Aluminum Foil Polyester Tape
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	
PVC - Polyvinyl Chloride	.0530	.3590	.4650	3.670	
For technical data, click the button below			For available colors, click the button below		
<div>Tech Data</div> or call 1-888-Belden8			<div>Put-ups & Colors</div> or call 1-888-Belden8		
Description					
Multi-Conductor, Composite, 3 pairs (16 AWG, stranded (7x24) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation) plus 1 communication wire (22 AWG, stranded (7x30) BC - Bare Copper conductors, PVC - /Polyvinyl Chloride insulation), overall Aluminum Foil-Polyester Tape (Beldfoil) shield with 16 AWG stranded (7x24) tinned copper drain wire, 100% shield coverage, sunlight resistant PVC - Polyvinyl Chloride jacket with nylon ripcord. Applicable Specifications: UL Type PLTC, ITC, CMG or C(UL) CMG, FT4, IEEE 1202. Flame Resistance: UL 1581 Vertical Tray Flame Test. Power Limited Tray Cable. Industrial Automation & Process Control Cables. Other insulation and jacket options are available. These cables are suitable for installation in wet or dry locations. Cable jackets are sunlight resistant, impervious to moisture and vapor penetration, and non-propagating. Alternate conductor color coding is available as a special order. Multiple pair cables have each pair numbered for ease of identification. Overall shield - recommended for use in instrumentation and control applications where signals are transmitted in excess of 100 millivolts except in areas where high voltage and current sources create excessive noise interference. BELDFOIL is a Belden registered trademark.					

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send us a [comment](#)

07/03/02

TECHNICAL DATA

Customer Number • 000001

Customer Name •

To display Technical Data, enter a Product Code and press Go.

Product Code 1528A

Example: 9269

Go

Product Search

02-22-00 REV. 4

1528A

I. DESCRIPTION:

POWER LIMITED TRAY CABLE - 3 PAIRS + COMMUNICATION
WIRE, PAIRS ARE 16 AWG (7X24) BARE COPPER, PVC
INSULATION, COMMUNICATION WIRE IS 22 AWG (7X30)
BARE COPPER, PVC INSULATION, OVERALL BELDFOIL SHIELD
W/ 16 AWG (7X24) TINNED COPPER DRAIN WIRE, PVC
JACKET WITH NYLON RIPCORD.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
NOM. CONDUCTOR DCR @ 20C (16/22): 3.67/14.7 OHMS/1000'
NOM. SHIELD DCR @ 20C: 3.10 OHMS/1000'
NOM. INDUCTANCE: .19 MICROH/FT.
NOM. MUTUAL CAPACITANCE: 58 PF/FT.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -30 TO +105 DEG. C
INSULATION MATERIAL: PVC
JACKET MATERIAL (COLOR): PVC (BLACK) SUN RES
TYPE SHIELD AND % COVERAGE: POLY/AL FOIL; 100%
TWISTED PAIR LAY LENGTHS: ODD 2.5", EVEN 3.75"
OVERALL LAY LENGTH: 7.25"
MAX. PULLING TENSION: 250 LBS.
NOM. WEIGHT/1000 FT.: 121 LBS. APPROX.
MIN. BEND RADIUS: 4.7"
CABLE DIAMETER: .465" AVG
APPLICABLE SPECIFICATIONS: UL TYPE PLTC,ITC,CMG
OR C(UL) CMG, FT4,
IEEE 1202
COLOR CODE: PAIRS BLACK & WHITE
NUMBERED
ORANGE COM WIRE
FLAME RESISTANCE: UL 1581 VERTICAL TRAY
FLAME TEST